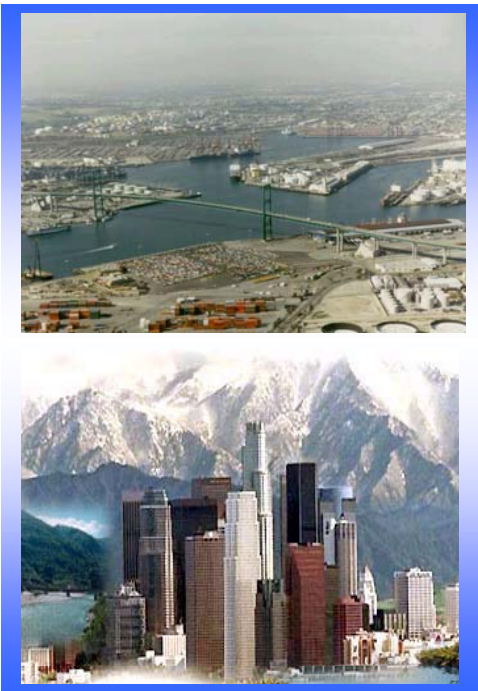


California Department of Transportation

Storm Water Management Program Regional Work Plan 2005/2006



District 7

Central Valley Region 5

Water Quality Control Board

CTSW-RT-05-132-16.1

April 1, 2005



**California Department
of Transportation**

District 7

**Certification
Regional Work Plan 2005/2006**

**California Regional Water
Quality Control Board
Los Angeles Region 4, Lahontan Region 6B
Central Valley Region 5F, Central Coast Region 3**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

Douglas R. Failing
District Director

Date

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1.0 INTRODUCTION

The purpose of the RWP is to describe how the Department will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board during Fiscal Year 2005/2006 as required by the *Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on the Department facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

Portions of Department District 7 fall within the jurisdiction of the Central Valley Regional Water Quality Control Board (RWQCB). Organization charts for District 7 are included in Figure 2-1. Staff responsible for implementing the SWMP within the RWQCB jurisdiction are listed in Table 2-1.

In compliance with Permit Section M.10.b, the following positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the State Water Resources Control Board or the Regional Water Quality Control Board(s).

TABLE 2-1: DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES

Staff	Title	Phone Number	E-Mail Address	Responsibilities
Jai Paul Thakur	District Responsible Manager	(213) 897-7546	Jai_Paul_Thakur@dot.ca.gov	Primary contact for all storm water issues. Oversees all NPDES office employees within the Districts.
Shirley Pak	District/Design NPDES Storm Water Coordinator	(213) 897-0428	Shirley_Pak@dot.ca.gov	The point of contact for regulatory inquiries for implementing the Statewide SWMP. Receiving and responding to public inquiries made to the Districts regarding storm water management issues. Evaluating guidelines, guidance documents, training material, project plans, contract specifications, BMPs for use by design personnel.
Ron Russak Hai Ching Pan	District Storm Water Landscape Coordinator	(213) 897-0233 (213) 897-0627	Ron_Russak@dot.ca.gov Haiching_Pan@dot.ca.gov	Provide technical support on erosion control and landscaping issues to implement storm water policies. Review and comment on highway slope and drainage design and BMPs research projects. Coordinate and respond to NRDC lawsuit related inquiries on landscaping and provide technical support in setting up the annual element projects. (From Section 10.3 in SWMP)
Bob Wu	District TMDL Coordinator	(213) 897-8636	Robert_Wu@dot.ca.gov	Coordinates matters related to Total Maximum Daily Loads (TMDLs) with the Water Boards within the responsible boundaries of District 7. Cooperates with other local agencies to jointly work toward compliance with the established TMDLs. Participates watershed stakeholder groups in TMDL developments and watershed management. Coordinates the storm drain outfall inventory in Ventura County and Los Angeles County.
James Burt	District Storm Water Construction Coordinator	(213) 897-1960	James_Burt@dot.ca.gov	Conducts inspections to assist the RE in ensuring that storm water controls are implemented on construction sites and to assist the REs in reviewing SWPPPs/WPCPs for adequacy. Provides training to district construction personnel. Prepares Annual BMP Effectiveness Report to NRDC.
Richard Gordon Martin Sanchez John Garner	District Storm Water Maintenance Coordinator	(213) 620-6318 (213) 620-5020 (213) 620-2110	Richard_Gordon@dot.ca.gov Martin_Sanchez@dot.ca.gov John_Garner@dot.ca.gov	Primary contact for Maintenance storm water issues. Coordinating, tracking and reporting the District's response to illicit connections/illegal discharges (IC/IDs) and non-permitted non-storm water discharges.

TABLE 2-1: DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES

Staff	Title	Phone Number	E-Mail Address	Responsibilities
Ron Russak	District Storm Water Annual Element Coordinator	(213) 897-0233	Ron_Russak@dot.ca.gov	Select, Identify, Estimate, Define and Develop the Annual Element Soil Stabilization Program. Review and track the status of the Program and operations for each year's projects. Prepare reports for submittal to NRDC Consultants.

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions or Individuals	Documents Authorized for Signature
Office Chief and Above	Notification of Construction (NOC)
Resident Engineer	Notice of Completion of Construction (NCC)

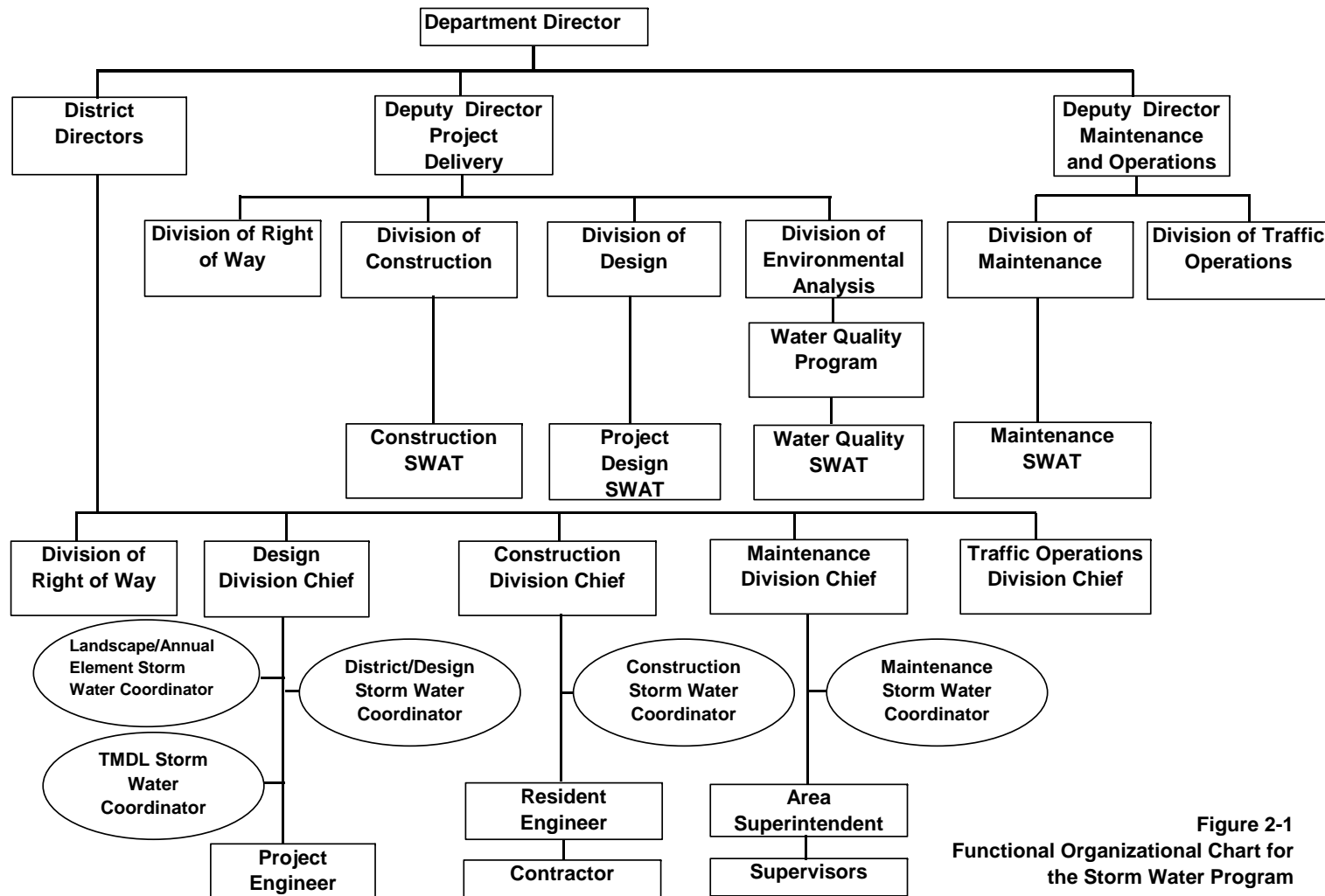


Figure 2-1
Functional Organizational Chart for
the Storm Water Program

FIGURE 2-1: ORGANIZATIONAL CHART

3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3-1. Maps showing the District 7 boundaries within the Central Valley Regional Water Quality Control Board (RWQCB), and major roads and highways are presented on Figure 3-1.

TABLE 3-1: DISTRICT 7 FACILITIES

CO	RTE	PM	NAME	COMMENTS
Maintenance Stations				
None.				
Vista Points				
None.				
Commercial Vehicle Enforcement Facilities				
None.				
Safety Roadside Rest Areas				
None.				
Park and Ride Facilities				
None.				
Sand and Salt Staging Areas				
Kern	5	88.3	Frasier Park	Sand and Salt Storage
TOLL ROAD AND TOLL BRIDGE PLAZAS				
None.				

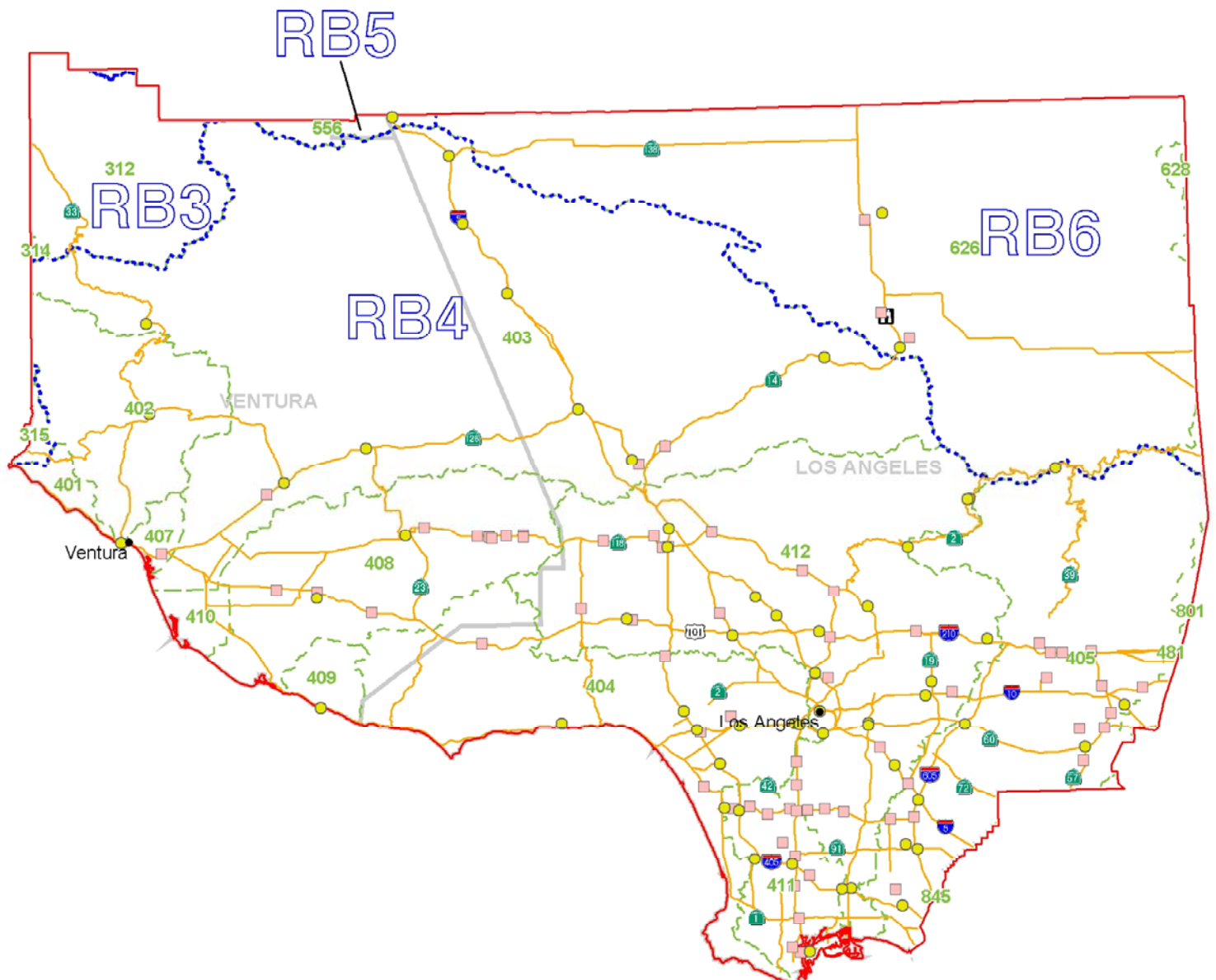
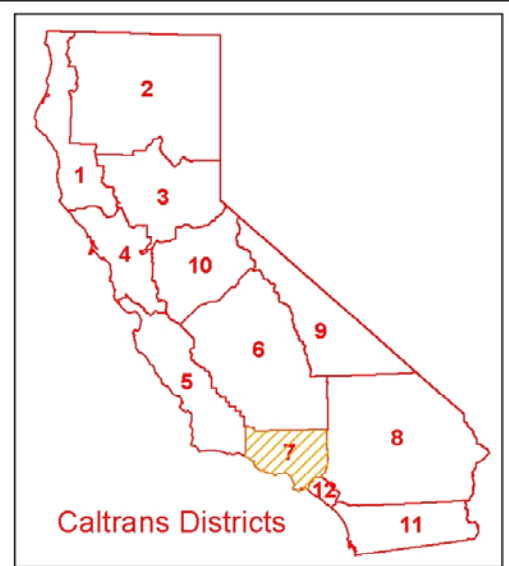
Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on the Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com>

Legend

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- ▣ Vista
- Department Facility
- ▭ Department Boundary
- ▭ RWQCB Boundary
- ▭ Hydrologic Unit
- ▭ County Boundary

RWQCB Index

- RB3 Central Coast Region
- RB4 Los Angeles Region
- RB5 Central Valley Region
- RB6 Lahontan Region



4.0 HIGH RISK AREAS

A list of high-risk areas within District 7 is presented in Table 4-1. High-risk areas are defined in the Section E.2 of the Permit to include areas such as locations where spills from the Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Table 4-1 shows high-risk areas for surface water. These are the high-risk areas that must be monitored in cases of accidental spill. Additional sites may be added to the high-risk list based on discussion between the Central Valley Regional Water Quality Control Board (RWQCB) and the Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities Tthe Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

However, there is no high-risk area listed in District 7 jurisdiction within the Central Valley Region Water Quality Control Board.

TABLE 4-1: HIGH RISK AREAS (SURFACE WATER)

Road Segment/ Facility	County	High Risk Area	Description	Comments
None				

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when major maintenance activities are initiated during the year.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are within a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. The district postmile map is to help the RWQCB staff locate the projects. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the Storm Water Pollution Prevention Program.

Figure 5-1 shows major roads and highways with postmile location within District 7.

TABLE 5-1: DISTRICT 7 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP Category**	EA	Co.	Route	Begin PM	End PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
									PA&ED Date	PS&E Date	Start Date	Completion Date
None												

TABLE 5-1 LEGEND

* Criteria

DSA = Disturbed Soil Area is greater than 5 acres.

303d = 303 (d) listed water body within project limits and affected by project

401 = 401 Certification/Waiver required

SEP = Supplemental Environmental Project

Retro = Storm Water Retrofit Project (SWMP 4.4.2)

HR = Project limits within High Risk Area

RB = RWQCB designated project as a potential threat to water quality

** SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,

(A) Beginning of Project Development Process prior to approval of the PSR

(B) PSR approved but Environmental Documents are not final

(C) Environmental Documents Final

(D) Environmental Documents are final, design complete and project in the construction phase of project delivery

(ND) SWMP category not defined. Treatment BMPs have been considered and implemented where appropriate for these projects

Note: All projects that do not require a SWPPP will require a WPCP.

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Major Roadway Maintenance Activities (1)
NONE
Maintenance Facility and Activity Inspections
All Maintenance Facilities are scheduled for inspection by the Maintenance Storm Water Coordinators.
One inspection of Maintenance activities for each Region will be conducted by Maintenance Storm Water Coordinators.
Maintenance Facility BMP Improvements
Improvements will be based on the annual storm water facility inspections.
Maintenance BMP Actions/Modifications
Shoulder maintenance improvements, minimize shoulder disturbance, shoulder work will be implemented only to correct /repair drop-offs for safety and preservation of structure.
Vector waste disposal is done only at prior approved sites, wet material is placed into dewatering bins and dry material into approved containment structures / facilities. Material is sampled/tested to determine its appropriate disposition.
Road Grinding Reuse: No planned use of grindings, use of grindings would incite an evaluation of the proposed location.
Vegetation Management and Vegetated Slope Management
<p>Vegetation Control Plan</p> <p>The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:</p> <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application
<p>Vegetated Slope Evaluation</p> <p>The Department's created a Preliminary Slope Inspection Form, further discussed in Annual Report Section 5.2.3, that will be used to inspect all roadside vegetated slopes over the course of 5 years. After approval of the program by the SWRCB, a plan to inspect District slopes will be submitted to the RWQCB at a mutually agreeable date.</p>

TABLE 5-2 LEGEND

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
 - DSA = Disturbed Soil Area is greater than 5 acres.
 - 303d = 303 (d) listed water body within project limits and affected by project
 - 401 = 401 Certification/Waiver required
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project (SWMP 4.4.2)
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities
<p>As part of the Maintenance Monitoring Program, under the direction of the Maintenance Storm Water Coordinator, Maintenance actively participated in the Non-Storm Water Inspections, Maintenance Activity Pollution Prevention Plan (MAPPP), Facility Pollution Prevention Plan (FPPP), and the Maintenance Facility BMP Effectiveness Programs.</p> <p>In order to minimize impact to water bodies by the Department projects, all major projects will be reviewed by different units (for example: Hydraulics, Landscape Architecture, Storm Water, Materials, Construction, and Maintenance) during District 7's Quality Review Process. During Quality Review meetings, designers are informed of the NPDES Permit requirements and available BMPs to minimize Storm Water pollution.</p> <p>Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY 05/06.</p>
Construction Compliance Monitoring Program
<p>As part of the Construction Monitoring Program, the Construction Storm Water Coordinator worked closely with the Storm Water Pollution Prevention Team to inspect and to educate Resident Engineers, inspectors, and contractors on the proper implementation of construction BMPs through field inspections and review of SWPPP and WPCP plans.</p> <p>Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the annual report.</p>
Training and Public Outreach
<p>Training of the Department personnel takes place during Maintenance Tailgate meetings, Resident Engineer meetings, and Project Development Quarterly meetings. The Department staff is also provided directions in various guidance documents.</p> <p>Maintenance provided various training to staff, including the Annual Awareness Training and the Highway Spill Response Training. During the Tailgate meetings, Maintenance Stormwater Bulletin are reviewed, proper BMP installation methods are also shared among Maintenance crews.</p> <p>Construction provided storm water training in Construction Engineer Academy and the Construction Boot Camp Training. HQ provides five Storm Water Training classes to the District.</p> <p>The Project Planning and Design Guide training will be provided to Design staff.</p> <p>Additional training on permanent and temporary erosion control will also be given to Design staff.</p> <p>District 7 uses a variety of methods to educate the public about the importance of managing storm water. This consists of a variety of written materials, bulletins, websites, workshops and the Department's Adopt-a-Highway Program. The written material is designed to appeal to the general public while providing technical information on selected Department projects and activities. District 7 installed "No Dumping" and "Litter Free" signs at selected locations on highways and freeways. Stenciled warnings prohibited discharges to drain inlets at park-and-ride lots, rest areas, vista points and other areas with pedestrian traffic.</p> <p>Training on storm water issues will be provided to appropriate staff as needed.</p>

TABLE 5-3: GENERAL MANAGEMENT PRACTICES
Two-day training seminars are planned for each of the District maintenance and construction supervisors.
Municipal Coordination
District 7 coordinates storm water management activities with municipalities, flood control districts, RWQCB's and other entities as necessary. Coordination is implemented through informal discussions, meetings, agreements, procedures, and special studies.
TMDL Coordination
District TMDL Coordinator participates in different watershed management agencies and other municipalities for compliance and development of TMDLs.
Storm Water Data Report (SWDR)
In compliance with the Statewide Design Compliance Monitoring program, District 7 prepares SWDRs for all projects. Designers evaluate all projects for opportunities to include permanent Best Management Practices (BMPs) in accordance with design guidelines.
Encroachment Permit
District 7 exercises its authority to enforce storm water requirements by imposing conditions in the encroachment permit.